

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: March 31, 1986

TO: DLPC Division File

FROM: James J. Jones, DLPC, Peoria Office

SUBJECT: LPC #143 805 0006/Peoria County
Mapleton/Sherex Chemical Company
ILD #095792859

EPA Region 5 Records Ctr.



384003

On Monday, March 31, 1986, a RCRA inspection was conducted by this writer at the subject site. Dale Kumpf, Administration Manager, and Debbie Unger, Regulatory Compliance Professional from Sherex's corporate office in Dublin, Ohio, answered questions and showed me around the facility.

Sherex Chemical is a producer of fatty acids and derivatives such as amines, quarternaries and fatty alcohols. This facility generates three (3) hazardous waste streams.

One hazardous waste generated at Sherex is copper/cadmium waste generated from cleaning deposits from the high power alcohol (HPA) reactor with nitric acid. The acid containing the dissolved metals are reacted with sodium hydroxide to precipitate the metals. Rain/wash waters are then filtered in the same filtration system to attain maximum metal removal. The filter cake from this process is E.P. Toxic for cadmium (D006) and is manifested to Peoria Disposal, LPC #143 812 0003, for disposal.

Another hazardous waste generated at Sherex is ignitable (D001) waste from its quarternary process, a four phase process in the production of fabric softeners. From 1980 to 1983, waste was manifested to an off-site reclaiming facility. In 1983, the waste disposal practices were changed, and the waste is now being taken from the phase 2 section and put into the quaternary reactor of the phase 3 section.

The other hazardous waste generated at Sherex is an alcohol pitch. It's a residue resulting from their distillation process in the production of their fabric softeners. This material is a characteristic hazardous waste because it exhibits E.P. Toxicity for cadmium (D006). All alcohol pitch generated from this process is pumped by the pitch receiver to a large tank in building #3 and is burned in the boiler for energy recovery. According to Mr. Kumpf, this waste was not stored for over ninety (90) days or transported prior to reuse.

During the tour of the facility, the hazardous waste storage area was observed. The condition of drums and a visual check to determine that drums were stored closed was conducted.

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The drums appeared to be in good condition as there were no leaking drums observed. In addition, all drums were stored closed. Approximately 30 - 40 drums of copper/cadmium waste were on hand during the inspection.

It appears that this facility is in apparent general compliance with Ill. Adm. Code, Part 725, as there were no apparent violations observed during this inspection.

JJJ/lrb

cc: -Peoria LPC #143 805 0006
-David C. Jansen
-Virginia Yang

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